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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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April 2, 1999

Mr. James E. Rasmussen, Director
U.S. Department of Energy
P.O. Box 550, MSIN: A5-15
Richland, Washington 99352

Mr. William D. Adair, Director
Fluor Daniel Hanford, Inc.
2420 Stevens Center, MSIN: H6-21
Richland, Washington 99352



Dear Messrs. Rasmussen and Adair:

Re: Sampling of 219-S Tank System Tank 103.

The U.S. Department of Energy (USDOE) made a commitment in their January 28, 1999, letter, addressed to Mr. Moses Jaraysi, to collect a Resource Conservation and Recovery Act (RCRA) protocol sample of the waste in Tank 103; and test it for constituents contained on the Part A, Form 3 Permit Application for the 219-S Waste Handling Facility. The purpose of these analyses is to provide information and justification for leaving Tank 103 in an isolated condition in the 219-S Waste Handling Facility until facility closure. It must also be considered that this data may be used at some future date to make decisions regarding closure methodology for Tank 103.

The RCRA protocol sample should be collected, stored, and analyzed in compliance with SW-846 prescribed methods. The samples should be analyzed for: volatile organics and TIC's (tentatively identified compounds) using SW-846 method 8260, semi-volatile organics and TIC's using SW-846 method 8270, all RCRA metals by ICP, and for D001, D002, and D003 characteristics, in addition to Tank Waste Remediation System (TWRS) Analytical Data Requirements.

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Ecology realizes As Low As Reasonably Achievable (ALARA) concerns may force deviation from some SW-846 protocol, however, every effort should be made to accommodate sampling, storage and analytical requirements as specified. Deviations from SW-846 protocol methods caused by ALARA constraints should be documented in accordance with HASQARD, Volume 4, Section 5.5 requirements.

If you have any questions regarding the requested sampling or analyses please contact Jerry Yokel at 736- 3009 or Brenda Becker-Khaleel at 736-3003.

Sincerely,



Brenda L. Becker-Khaleel
222-S Unit Manager/Permit Writer
Nuclear Waste Program

BB:ld

cc: John A. Winterhalder, WHM
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